

**Table C-64. Federal obligations for basic research performed at
universities and colleges for selected agencies, by
detailed field of science and engineering:
fiscal years 2001, 2002, and 2003**

[Dollars in thousands]

Field of science and engineering	2001	Preliminary	
		2002	2003
Total, all fields	11,741,414	12,669,588	13,956,814
Life sciences, total	7,367,698	8,152,252	9,137,604
Biological (excluding environmental)	6,017,208	NA	NA
Environmental biology	137,444	NA	NA
Agricultural	132,099	NA	NA
Medical	993,493	NA	NA
Life sciences, n.e.c.	87,454	NA	NA
Psychology, total	171,223	194,016	220,378
Biological aspects	10,141	NA	NA
Social aspects	5,286	NA	NA
Psychological sciences, n.e.c.	155,796	NA	NA
Physical sciences, total	1,278,684	1,316,133	1,411,558
Astronomy	159,826	NA	NA
Chemistry	409,423	NA	NA
Physics	562,088	NA	NA
Physical sciences, n.e.c.	147,347	NA	NA
Environmental sciences, total	738,522	766,797	804,123
Atmospheric	173,130	NA	NA
Geological	143,808	NA	NA
Oceanography	245,010	NA	NA
Environmental sciences, n.e.c.	176,574	NA	NA
Mathematics & computer sciences, total	696,966	729,242	773,066
Mathematics	147,526	NA	NA
Computer sciences	506,056	NA	NA
Mathematics & computer sciences, n.e.c.	43,384	NA	NA
Engineering, total	933,515	918,013	973,268
Aeronautical	31,094	NA	NA
Astronautical	5,179	NA	NA
Chemical	46,752	NA	NA
Civil	36,971	NA	NA
Electrical	181,139	NA	NA
Mechanical	93,530	NA	NA
Metallurgy & materials	263,163	NA	NA
Engineering, n.e.c.	275,687	NA	NA
Social sciences, total	144,646	154,086	165,449
Anthropology	11,137	NA	NA
Economics	25,322	NA	NA
Political science	5,923	NA	NA
Sociology	7,475	NA	NA
Social sciences, n.e.c.	94,789	NA	NA
Other sciences, n.e.c.	410,160	439,049	471,368

KEY: NA = Not available (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal years 2001, 2002, and 2003.

Data for only those agencies that had obligations in the variables represented by this table appear in the table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2001, 2002, and 2003